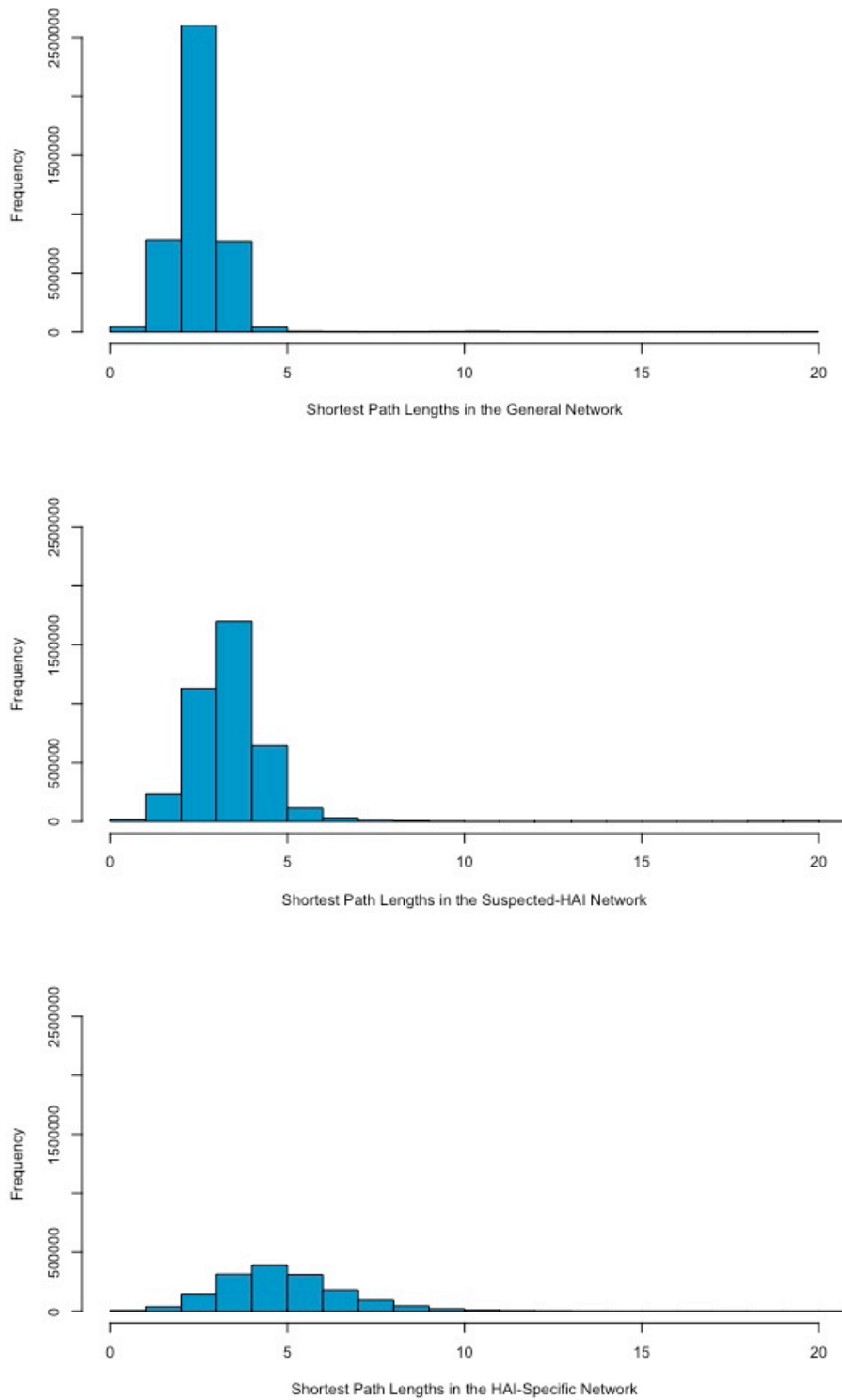*S7 Fig. Shortest path length distributions in the networks*



**S7 Fig.** The length of the shortest paths or steps between any two nodes in the networks are calculated and plotted by their frequency.